

Title (en)

METHOD AND APPARATUS FOR SEPARATING HYDROCARBON

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ABTRENNUNG VON KOHLENWASSERSTOFFEN

Title (fr)

PROCEDE ET APPAREIL DE SEPARATION D'HYDROCARBURES

Publication

EP 1695951 A1 20060830 (EN)

Application

EP 04746570 A 20040628

Priority

- JP 2004009101 W 20040628
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Abstract (en)

There are provided a process for separation of hydrocarbons including the steps of: (a) a feed gas is cooled and partly condensed, and separated into a gas and a liquid; (b) the liquid obtained in step (a) is supplied to a distillation column; (c) the gas obtained in step (a) is expanded by an expander and partly condensed, and separated into a gas and a liquid; (d) the liquid obtained in step (c) is supplied to the distillation column; (e) the gas obtained in step (c) is divided into a first portion and a second portion; (f) the first portion is supplied to the distillation column; (g) the second portion is condensed by being compressed and cooled, and then depressurized and supplied as a reflux to the distillation column; and (h) a residue gas is obtained from the top part of the distillation column and a heavier fraction is obtained from the bottom part of the distillation column; and an apparatus therefor. The process and apparatus enable efficient separation of hydrocarbons.

IPC 8 full level

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